

Table XIII

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK	VERTICAL POWER CHECK	VERTICAL POWER CHECK	VERTICAL POWER CHECK	VERTICAL POWER CHECK	VERTICAL POWER CHECK	VERTICAL POWER CHECK	VERTICAL POWER CHECK

THIS TEST MAY BE STARTED PRIOR TO ERECTION WHEN DIRECTED BY OFFICER IN CHARGE

1. Have all stations check with the Test Station.						1. Close bypass valve at air servicer.	
2. Turn all switches to Normal or Off position.	2. Turn all switches to Normal or Off position.	2. Turn all switches to Normal or Off position.	2. Turn all switches to Normal or Off position.	2. With the exception of the Sequence Recorder, turn all switches to Normal or Off position. THE SEQUENCE RECORDER REMAINS READY FOR USE.			2. Turn all switches to Normal or Off position (LN ₂ C).
	3. Turn Networks and Inverter, BUS switches On, and Command BUS Switch to the missile position (EP).						
	4. Request Networks voltage from Power Distribution Station. a. Plugs OK lamp On (PP). b. Detonators Connected lamp On (PP). c. Networks BUS meter indicates that voltage is present (EP).			4. Pen No. 16 picks up (SR).		4. Turn the Network BUS output switch ON (PDS). General BUS meter indicates battery voltage value recorded during Power Transfer Test (PDS). OBSERVE CURRENT METER FOR INDICATION OF EX-	4. The following lamps come On and remain On (LN ₂ C): 1. Ground Power. 2. Tank Low. 3. Fill Valve Closed. 4. Dehumidifier Valve Open. TURN DEHUMIDIFIER VALVE MANUAL

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. CESSIVE LOAD-ING.	VERTICAL POWER CHECK—Con. CONTROL SWITCH ON THEN OFF TO GET INDICATION 4 IF AMBIENT TEMPERATURE IS BELOW 35° F.
5. Insure that Communications power selector switch is at MG set (CC).							
	6. Request Inverter Voltage from Power Distribution Station. Inverter BUS meter indicates that voltage is present (EP).					6. Turn the Inverter BUS output switch On (PDS). Inverter BUS meter indicates battery voltage value recorded during power transfer test (PDS). OBSERVE CURRENT METER FOR INDICATION OF EXCESSIVE LOADING.	
	7. Turn the Pressurize Switch On (PP).						
	8. Turn the Operation Selector switch to Power On (PP). a. ALC Temp meter deflects (PP).	8. a. Step Switch Zero lamp On (SP). b. Dive Program Zero lamp On (SP).	8. a. Indicator H (Calibrate Repeat Power) lamp On (RP).	8. a. Indicator H (Calibrate Repeat Power) lamp On (LP).	8. Air gage stabilizes at 2,000 psi—50 (VB).		

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. b. H ₂ O ₂ Temp meter deflects (PP). c. Drop Tank OK lamp On (PP). d. Low Pressure OK lamp On (PP). e. Guidance Voltage Failure lamp blinks (EP).	VERTICAL POWER CHECK—Con. c. Indicator H (Attitude Signals) lamp On (SC). d. Program Zero lamp On (SC). e. Air Pressure Supply lamp On (SC). f. Air Pressure Platform lamp On (SC). g. Temperature meter deflects (SC). h. Warhead Safe lamps On (CM).	VERTICAL POWER CHECK—Con. b. Velocity Brake lamp On (RP). c. Displacement Brake lamp On (RP). d. 400 cps Power On lamp On (RP). e. Repeat lamp On (RC).	VERTICAL POWER CHECK—Con. b. Velocity Detent meter reads in black zone. c. Displacement Detent meter reads in black zone. d. 400 cps Power On lamp On (LP). e. Calibrate Time lamp On (LC). f. Reverse lamp On (PP).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
	9. Turn Battery Heater switch On (EP). Below Temp lamp On (EP). THIS LAMP WILL NOT COME ON IF BATTERIES ARE AT OPERATING TEMPERATURE.		9. Depress 400 cps Power Off Pushbutton (RP). a. 400 cps Power On lamp Off (RP). b. 400 cps Power Off lamp On (RP).	9. Depress 400 cps Power Off Pushbutton (LC). a. 400 cps Power On lamp Off (LP). b. 400 cps Power Off lamp On (LP).			
10. Turn Inverter Power switch On (IC). Inverter phase lamp On (IC).	10. Command BUS meter indicates command voltage is present (EP).					10. Command BUS meter indicates voltage value recorded during powertransfer test (PDS).	
11. Rotate AC Voltmeter Selector switch through AB, AC, and BC positions (IC).							

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con. AC Voltmeter reads 115 ± 2 volts in each position (IC).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
12. Turn Power switch On (PG). Power lamp On (PG).	12. Request 60 cps voltage from Power Distribution Station.					12. Turn on Circuit breakers CB-1, CB-2, CB-3, CB-5, CB-6, and CB-7 (PDS).	
	13. Turn 60 cps Voltage switch On (EP). 60 cps voltage lamp On (EP).	13. Turn platform heater switch On (SC).			13. Insure all Heater Control switches are On except— a. H_2O_2 overflow tubing and valve switch (HB). b. H_2O_2 Fill and Drain Lines, Servo and Shut-off valve switch (HB). c. H_2O_2 Tank switch (HB). d. Main LOX valve switch (HB). HEATER LAMPS ON FOR EACH HEATER SWITCH TURNED ON. FOR DETAILED OPERATION OF HEATER CONTROL BOX REFER TO NDTM, VOLUME XIV-PDS.	13. a. Booster AC Power Lamp On (PDT). b. Top assembly AC Power Lamp On (PDT).	13. LN_2 cooling may be started. Inform test station when blower is turned on.

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. 14. Depress Guidance Voltage Failure Reset button (EP). Guidance Voltage Failure lamp Off (EP).	VERTICAL POWER CHECK—Con. 14. Turn Guidance Cutout switch On (SP). Guidance Signal Off lamp On (SP).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
15. Insure that Inverter Calibration is within tolerance after allowing a 30 minute warmup for the Inverter. Continue with test if 30 minutes has not elapsed. CONTINUE TO MONITOR FREQUENCY METER ON INVERTER CONTROL PANEL THROUGHOUT VERTICAL CHECKS TO INSURE THAT INVERTER FREQUENCY STAYS WITHIN TOLERANCE		15. Turn Control Computer switch On (SP).					

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. 16. Turn Battery Heater switch Off (EP). Voltages OK lamp On (PP). (Only if batteries are activated in missile).	VERTICAL POWER CHECK—Con. 16. Turn Rudder Drive switch On (SP). Vane Position meters read $0 \pm 2^\circ$ (SP).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. 16. a. Vane Position meters indicate $0 \pm 2^\circ$ (RF). b. Power OK lamp On (RF). (Only if batteries are activated in missile).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
	17. Voltages OK lamp Off (PP).	17. Turn Rudder Drive switch Off (SP).			17. Power OK lamp Off (RF).		
	18. Turn Operation Selector switch to Test (PP).						

FOLLOW STEPS 19 THROUGH 29 TO TURN POWER OFF. DO NOT PERFORM SHUTDOWN PROCEDURE IF TESTS ARE TO BE CONTINUED.

19. Turn power switch Off (PG). Power lamp Off.	19. Turn 60 cps voltage switch Off (EP). 60 cps Voltage lamp Off (EP).	19. Turn Control Computer switch Off (SP). BEFORE STARTING STEP 20, IF ST-80 IS UNCAGED, CAGE THE ST-80 AND INSURE THAT THE FOLLOWING SWITCHES ARE TURNED OFF IN THE ORDER GIVEN AND THAT THE ACCELER-	19. Insure Range Computer is zeroed and the 400 cps power Off lamp is On (AP).	19. Insure Lateral Computer is zeroed and the 400 cps power Off lamp is On (LP).	19. Turn all Heater Control switches Off (HB).	19. a. Booster AC power lamp OFF (PDS). b. Top assembly AC power lamp OFF (PDS).	
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Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. OMETER ZERO LAMP IS ON. a. ERECTION ON. b. CORRECTION ON. c. AMPLIFIERS ON. d. GYROS ON. e. PLAT-FORM HEATER ON.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
20. Turn Inverter Power switch Off (IC). a. Inverter phase lamps Off (IC). b. AC Volt-meter returns to zero (IC).	20. Turn Battery Heater switch Off (EP). Command BUS meter deenergizes (EP).	20. Turn Guidance Cutout switch Off (SP). Guidance Signal Off lamp Off (SP).		20. Turn Program Device Power Switch OFF. Zero Lamp OFF (PD).		20. Command BUS meter deenergizes (PDS).	20. Turn all switches to normal or Off position (LN ₂ C).
IF PROPELLANT DRAINING, TABLE XX IS TO BE PERFORMED. DO NOT PERFORM STEPS 21 THROUGH 27 UNTIL AFTER COMPLETION OF DRAINING PROCEDURES.							
	21. Turn Networks, Inverter, and Command BUS switches to Off (EP). Networks, and Inverter, BUS meters deenergize (EP).						

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. 22. Turn Operation Selector switch Off (PP). a. ALC and H ₂ O ₂ Temp meters deenergize (PP). b. Drop Tank OK lamp Off (PP). c. Low Pressure OK lamp Off (PP).	VERTICAL POWER CHECK—Con. 22. a. Step Switch Zero lamp Off (SP). b. Dive Program Zero lamp Off (SP). c. Indicator H (attitude signals) lamp Off (SC). d. Program Zero lamp Off (SC). e. Air Pressure Supply lamp Off (SC). f. Air Pressure Platform lamp Off (SC). g. Temperature meter returns to zero (SC). h. Warhead Safe lamps Off (CM).	VERTICAL POWER CHECK—Con. 22. a. Indicator H (Calibrate Repeat Power) lamp Off (RP). b. Velocity Brake lamp Off (RP). c. Displacement Brake lamp Off (RP). d. 400 cps Power Off lamp Off (RP). e. Repeat lamp Off (RC).	VERTICAL POWER CHECK—Con. 22. a. Indicator H (Calibrate Repeat Power) lamp Off (LP). b. Velocity Detent meter returns to zero (LP). c. Displacement Detent meter returns to zero (LP). d. Calibration Time lamp Off (LC). e. Reverse lamp Off (PD).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
						23. Turn Vent switch On (RF). NOTIFY TEST STATION WHEN THE MISSILE IS COMPLETELY VENTED OF ALL AIR.	

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
DO NOT PROCEED TO STEP 24 UNLESS MISSILE IS VENTED OF ALL AIR AND DROP TANK HAS BEEN DRAINED OF LN ₂ .							
		24. Request Power Distribution Sta- tion to power down.					
						25. Turn off circuit breakers CB-1, CB-2, CB-3, CB-5, CB-6, and CB-7.	
						26. Turn the In- verter BUS out- put switch Off (PDS).	
						27. Turn Networks BUS output switch Off (PDS).	
	28. a. Plugs OK lamp Off (PP). b. Detonators Connected lamp Off (PP).	28. Caged lamp Off (SC).		28. Pen No. 16 re- turns to its nor- mal position (SP).			
				29. Turn Sequence Recorder Off.			
END OF CHECK	END OF CHECK	END OF CHECK	END OF CHECK	END OF CHECK	END OF CHECK	END OF CHECK	END OF CHECK

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. b. Power lamps ON. c. Air lamps ON.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. Power Off lamp Off (LP). b. 400 cps Power On lamp On (LP).	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. BE COMPLETED BEFORE STARTING TABLE XV AND IS PERFORMED CONCURRENT WITH LN ₂ COOLING. ALL FUEL HANDLING AND RELATED EQUIPMENT MUST BE WELL GROUNDED AND RUBBING OF SURFACES MUST BE PREVENTED. HAVE FIRE FIGHTING EQUIPMENT STANDING BY. PRIOR TO OPERATION OF THE ALC TRAILER, INSURE THAT THE TRAILER IS GROUNDED AND THAT THE ALC HEATERS ARE ELECTRICALLY DISCONNECTED. 1. Position the ALC trailer approximately 10 feet from the propellant loading ladder.

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
		3. Turn selector switch to Warhead Continuity. a. Power lamps remain ON. b. Air lamps remain ON. c. Warhead safe lamps remain ON. d. Warhead Continuity lamps ON.	3. Zero Velocity Preset timer. ZERO TIMER FROM RIGHT TO LEFT, TURNING DIALS COUNTERCLOCKWISE.	3. Zero Displacement Preset timer. ZERO TIME FROM RIGHT TO LEFT, TURNING DIALS COUNTERCLOCKWISE.			2. Remove the static ground wire from the trailer and connect to a ground stake. 3. Remove the power cable from the trailer and connect to the trailer and to a 60-amp connector on the AC distribution box. 4. Remove the protective caps from both quick disconnect couplings on the alcohol line above and on the main ALC valve. 5. Connect the 25-foot overflow hose to the overflow coupling above the main ALC valve. 6. Connect 50-foot hose from inert lead pump on the ALC trailer to the fill coupling on the main ALC valve. 7. Open shutoff valve under inert lead fluid tank in ALC trailer. 8. Have propulsion console operator open main ALC valve. NEVER OPERATE
		4. Turn selector switch to S&A continuity. a. Power lamps remain ON. b. Air lamps remain ON. c. Warhead safe lamps remain ON. d. Warhead continuity lamps ON. e. S&A continuity lamps ON.	4. Turn Power switch ON (VT). a. Timer remains zeroed (VT). b. Timer motors energized (VT). c. Reset lamp On (VT).	4. Turn Power switch On (DT). a. Timer remains zeroed (DT). b. Timer motor energized (DT). c. Reset lamp On (DT).			
		5. Turn selector switch to warhead arm.	5. Reset Calibrator Clock (RC).	5. Reset Calibrator Clock (LC).			

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
	9. When requested by fueling section, open the main ALC valve (TP). a. Rotate valve test selector switch to main ALC valve position (TP). b. Depress and hold test pushbutton (TP). c. Test Power lamp ON (TP). d. Mainstage and main ALC valve lamp On (PP).	a. Power lamps remain ON. b. Air lamps remain ON. c. Warhead continuity lamps remain ON. d. S&A continuity lamps remain ON. e. Warhead safe lamps OFF. f. Warhead arm lamps ON.	6. Set velocity Preset timer to 30 seconds. 7. Dial Position 1 on the Function Selector (RP). a. Indicator 1 (Preset) lamp On (RP). b. Repeat lamp Off (RC). c. Velocity meter reads approximately zero (RC). d. Displacement meter reads approximately zero (RC).	6. Set Displacement Preset timer to 30 seconds.	9. a. Main ALC valve operates in missile. b. Main stage lamp On (RF).		PUMP UNLESS THERE IS FLUID IN THE INERT LEAD TANK, AND STEP 7 HAS BEEN PERFORMED. 9. Pump inert lead into feed line until fluid flows from the overflow hose. APPROXIMATELY 10 TO 15 GALLONS OF INERT LEAD START WILL BE REQUIRED. PUMP DELIVERS 5 GALLONS PER MINUTE.
	11. Release Test power pushbutton when inert lead loading is completed (TP). a. Test power ON lamp OFF (TP). b. Mainstage and main ALC	6. Turn selector switch to warhead safe. a. Power lamps remain ON. b. Air lamps remain ON. c. Warhead safe lamps ON. d. Warhead arm lamps OFF. e. Warhead continuity lamps OFF. f. S&A continuity lamps OFF. 7. Turn burst option selector to	8. Depress Preset pushbutton and release (RC). a. Preset lamp On (RC). b. Velocity lamp On (RC). c. Velocity counter zeroed (RC). d. Displacement counter zeroed (RC). 9. Depress Timer Start Pushbutton (RP). a. Velocity Preset Timer	8. a. Calibration Time lamp Off (LC). b. Displacement Time lamp On (LC).	11. a. Main ALC valve closes in missile. b. Mainstage lamp Off (RF).		10. Stop pump and close shutoff valve. 11. Request the Propulsion Console operator to close the Main ALC valve.

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. valve lamp OFF (PP). 12. Rotate Valve test Selector switch to OFF (PP). END OF OPERATION	VERTICAL POWER CHECK—Con. the surface position. (Fully clockwise.) a. Power lamps remain ON. b. Warhead safe lamps remain ON. c. Surface lamps ON. d. Air lamps OFF. 8. Turn selector switch to warhead continuity. a. Power lamps remain ON. b. Warhead safe lamps remain ON. c. Surface lamps remain ON. d. Warhead continuity lamps ON. 9. Turn selector switch to S&A continuity. a. Power lamps remain ON. b. Warhead safe lamps remain ON. c. Surface lamps remain ON. d. Warhead continuity lamps remain ON. e. S&A continuity lamps ON. 10. Turn selector	VERTICAL POWER CHECK—Con. starts and continues to run until zeroed. b. Velocity Brake lamp Off and then ON (RP). c. Displacement Brake lamp Off and then ON (RP). d. Calibrator Clock runs for 30 seconds. 10. Compare time on Calibrator clock to value set on Velocity Preset Timer in Step 6. Time must agree within 5 milliseconds. 11. Turn Power On switch Off (VT). 12. Zero Range Computer. 13. Dial position 1 on the function selector (RP). a. Indicator 1 (preset) lamp ON (RP). b. Repeat lamp OFF (RC).	VERTICAL POWER CHECK—Con. until zeroed. b. Calibrator Clock runs for 30 seconds. 10. Compare time on Calibrator clock to value set on Displacement Preset Timer in Step 6. Time must agree within 5 milliseconds. 11. Turn Power On switch Off (DT).	VERTICAL POWER CHECK—Con. END OF OPERATION	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. 12. Remove the inert lead start overflow hose and fill hose from the couplings on the alcohol feed line. 13. Replace the protective caps on the quick disconnect couplings. END OF OPERATION 1. Verify Normal Indications on LN ₂ Control. a. All switches Off. b. Ground Power lamp On. c. Tank Low lamp On. d. Fill Valve Closed lamp On. e. Dehumidifier Valve Open lamp On. TURN DEHUMIDIFIER VALVE

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.
		switch to warhead arm. a. Power lamps remain ON. b. Surface lamps remain ON. c. Warhead continuity lamps remain ON. d. S&A continuity lamps remain ON. e. Warhead arm lamps ON. f. Warhead safe lamps OFF. 11. Turn selector switch to warhead safe. a. Power lamps remain ON. b. Surface lamps remain ON. c. Warhead safe lamps ON. d. Warhead continuity lamps OFF. e. S&A continuity lamps OFF. f. Warhead arm lamps OFF.	14. Depress preset pushbutton and release (RC). a. Preset lamp ON (RC). b. Velocity lamp ON (RC). c. Velocity Counter zero. d. Displacement counter zero. 15. Dial Position H on the Function Selector (RP). a. Indicator H (Calibrate Repeat Power) lamp On (RP). b. Preset lamp Off (RC). c. Repeat lamp On (RC). 16. Reset Calibrator Clock (RC). END OF TEST	14. a. Calibration time Lamp OFF (LC). b. Displacement time Lamp ON (LC). 15. a. Displacement time lamp Off (LC). b. Calibration time lamp On (LC). 16. Reset Calibrator Clock (LC). END OF TEST			MANUAL SWITCH TO ON THEN OFF TO GET INDICATION e IF TEMPERATURE IS BELOW 35° F. 2. Verify Normal indications on LN ₂ supply vehicle. a. Supply tank pressure gage indicates approximately 40 psi. b. Hand valves are positioned according to instruction on Operator Compartment door. 3. Open manual Outlet valve on LN ₂ vehicle. 4. Place the Manual/Automatic switch to Auto On position. a. Fill Valve closed lamp Off. b. Dehumidifier Valve Open lamp On if temperature is above 35° F. AS THE LN ₂ LEVEL RISES IN THE DROP TANK, THE FOLLOWING INDICATIONS WILL OCCUR. c. Tank Filling lamp On.

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. 12. Turn Burst Option Selector to the air position (fully counter-clockwise). a. Power lamps remain ON. b. Warhead safe lamp remains ON. c. Air lamps ON. d. Surface lamps OFF. 13. For continuous monitoring from the TS, place selector switch in S&A continuity position. a. Power lamps remain ON. b. Warhead safe lamps remain ON. c. Air lamps remain ON. d. Warhead continuity lamps ON. e. S&A continuity lamps ON. UNLESS PREVIOUS INSTRUCTIONS HAVE BEEN RECEIVED, BURST OPTION SELECTOR WILL REMAIN IN AIR POSITION. NOTIFY OFFICER IN CHARGE	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. d. Tank Low lamp Off. 5. Turn Automatic Heat-Cool switch On. Either the Heat or Cool lamp will come On and stay On while either heating or cooling operations are required. AFTER INSTRUMENT COMPARTMENT TEMPERATURE STABILIZES, THE HEAT OR COOL LAMP WILL GO OFF AND REMAIN OFF, UNTIL HEATING OR COOLING IS REQUIRED. 6. Observe the following indications, when tank fills: a. Tank Filling lamp Off. b. Fill Valve Closed lamp On. c. Tank Full lamp On. THE MANUAL/AUTOMATIC SWITCH MAY BE ACTUATED ANY TIME TO HALT THE LN,

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. WHEN THIS CHECK IS COMPLETED, REMOVE KEY FROM KEY LOCK SWITCH. END OF CHECK	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. FILLING BY PLACING THE SWITCH TO OFF. 7. Observe the fol- lowing indications as the LN ₂ Level drops in the Heater-Cooler Drop Tank: a. Tank Full lamp Off. b. Fill Valve Closed lamp Off. c. Tank Filling lamp On. REFER TO STEP 6 FOR INDICA- TIONS WHEN TANK FILLS. 8. Maintain LN ₂ supply vehicle tank pressure at ap- proximately 40 psi and monitor LN ₂ Control Box for normal indications. IF FOR ANY REASON IT IS NECESSARY TO OPEN THE INSTRUMENT COMPART- MENT DOOR TURN THE AUTOMATIC HEAT-COOL SWITCH OFF. AFTER CLOS- ING THE COM- PARTMENT

Table XIII—Continued

Test station					Firing area		
Communication console	Propulsion and electrical console	Stabilizer and steering console	Range console	Lateral and program console	Firing section	Servicing section	
						Electrical and pneumatic	Handling and fueling
VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con.	VERTICAL POWER CHECK—Con. DOOR RETURN THE SWITCH TO THE ON POSITION. END OF LN ₂ COOLING
END OF TABLE XIII	END OF TABLE XIII	END OF TABLE XIII	END OF TABLE XIII	END OF TABLE XIII	END OF TABLE XIII	END OF TABLE XIII	END OF TABLE XIII

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